

# WONHO KANG

412-699-0681 wonhokang1234@gmail.com

## EDUCATION

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**Carnegie Mellon University**

**Pittsburgh, PA**

B.S. in General Studies

Minor in **Game Design and Development**

May 2024

- **Relevant Courses:** ECE Design Experience Capstone, Computer Graphics, Algorithm Design and Analysis, Embedded Systems, AI: Representation and Problem Solving, Introduction into Computer Systems, Structure and Design of Digital Systems, Web Application Development, Game Design, Prototyping, and Production, Research Issues in Game Dev: Designing for XR, Fundamentals of Semiconductor Devices

## PROJECTS

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**SharePix | 10.2022 – 12.2022**

**Pittsburgh, PA**

- Collaborated to build a web application for users to create pixel arts and share their inspirations.
- Built login, registration, OAuth, sharing, and commenting features using Django framework.

**ECE Capstone Project • My-Flection | 01.2022 – 05.2022**

**Pittsburgh, PA**

- Designed and created a smart mirror capable of analyzing user's outfit and generating recommendations based on color, type of clothing, weather.
- Used computer vision and color/torso detection to analyze outfit as well as enabling interaction with mirror through application.

**Game Development | 01.2021 – 05.2021**

**Pittsburgh, PA**

- Developed various games in a group over the course of a semester.
- Took position of Project Manager / Programmer and oversaw level design, game testing/balancing as well as fixing bugs.
  - Defense Game – Three Little Pigs
  - Platformer Game – Derelict Heaven
  - Dodgeball Game – Dodge This
  - Game Jam – Fragile Drone

## EXPERIENCE

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**Spelix Inc.**

**Seoul, South Korea**

Intern

June 2022 – August 2022

- Took lead on creating a Graphical database for academic papers through data analysis using a graph data software called TigerGraph.
- Worked closely with TigerGraph Korea to create a database capable of categorizing and displaying relevant information to research organizations and scholars that require such data.

**CMU & LG Software Arch. Program**

**Pittsburgh, PA**

Intern

June 2019 – August 2019

- Worked with teams of LG engineers to learn about software architecture and build prototype self-driving karts.
- Contributed to assigned team by help testing code, relaying progress to mentor, and creating final presentation.

## ACTIVITIES

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**Sigma Alpha Epsilon Fraternity**

**Pittsburgh, PA**

VP of Health and Safety

September 2018 – May 2022

**Korean American Student Association**

**Pittsburgh, PA**

Club Member

September 2018 – May 2022

## SKILLS

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**Programming Languages:** Python, C, C++, C#, JavaScript, GSQL, TigerGraph.

**Game Development:** Unity, Prototyping, Level Design, Balancing.

**Web Development:** HTML, CSS, Django, MySQL, OAuth.

**Languages:** English (native), Korean (native)

LinkedIn: [Wonho Kang](#)

GitHub: [wonhokang1234](#)

Game Link: [Derelict Heaven](#)